WHAT IS CLAIMED IS:

1. A method of controlling communications among a plurality of electronic devices which communicate by using at least one of a plurality of different types of communication protocols, comprising the steps of:

connecting the electronic devices through a multiplex transmission serial communication line which supports communications by a plurality of different frame formats; and

allocating one of the frame formats to one type of the communication protocols to enable coexistence of communications among the electronic devices by the plurality of different types of communication protocols on the multiplex transmission serial communication line.

2. A construction machine having therein a plurality of communication-networked electronic devices which communicate by using at least one of a plurality of different types of communication protocols, wherein:

the electronic devices are connected through a multiplex transmission serial communication line which supports communications by a plurality of different frame formats; and

an electronic circuit is provided, which allocates one of the frame formats to one type of the communication protocols to enable coexistence of communications among the electronic devices by the plurality of different types of communication protocols on the multiplex transmission serial

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communication line.

3. An electronic circuit in a construction machine having
therein a plurality of communication-networked electronic
devices which communicate by using at least one of a
plurality of different types of communication protocols,
wherein:

the electronic devices are connected through a
multiplex transmission serial communication line which
supports communications by a plurality of different frame
formats; and

one of the frame formats is allocated to one type of
the communication protocols to enable coexistence of
communications among the electronic devices by the plurality
of different types of communication protocols on the
multiplex transmission serial communication line.